

AMENDMENT TO THE CLAIMSIN THE CLAIMS:

Please cancel claims 14 and 27-29; and

Please amend claims 1, 9, 11, 13, 15-17, 26 and 30 as follows.

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) An electronic fuse, comprising:
an insulating a polysilicon film that is a resistor;
at least two separate conductive regions partially covering the insulating polysilicon film; and
at least one single-type non-conductive region on the insulating polysilicon film separating and extending to inner edges of the at least two conductive regions,
wherein the at least two separate conductive regions comprise salicide film strips.

Claim 2. (Canceled).

3. (Previously Presented) The electronic fuse of claim 1, wherein a resistance of the electronic fuse changes by a prescribed value in proportion to a number of blown conductive regions of the at least two conductive regions.

4. (Original) The electronic fuse of claim 3, wherein the resistance increases in substantially uniform prescribed amounts as the number of blown conductive regions of the at least two conductive regions increases.

5. (Previously Presented) The electronic fuse of claim 4, wherein the resistance increases in substantially uniform prescribed amounts allowing digitized sensing levels.

6. (Previously Presented) The electronic fuse of claim 1, wherein the at least two conductive regions comprise conductive strips and the non-conductive region and the conductive strips are approximately parallel to one another.

7. (Previously Presented) The electronic fuse of claim 1, wherein the at least two non-conductive regions comprises a non-conductive material.

8. (Original) The electronic fuse of claim 7, wherein the non-conductive material comprises a gas.

9. (Currently Amended) The electronic fuse of claim 1, further comprising a first fuse lead and a second fuse lead disposed on the insulating polysilicon film in electrical communication with the at least two conductive regions.

10. (Original) The electronic fuse of claim 9, further comprising at least one electrical contact in electrical communication with the first fuse lead and at least one electrical contact in electrical communication with the second fuse lead.

11. (Currently Amended) The electronic fuse of claim 1, wherein the at least two conductive regions are multiple conductive regions defined as conductive strips disposed on the insulating film with and wherein the at least one non-conductive region being comprises multiple non-conductive regions between each of the multiple conductive strips, wherein a first end of each conductive strip is in electrical communication with a first fuse lead and a second end of each electrical strip is in electrical communication with a second fuse lead.

12. (Previously Presented) The electronic fuse of claim 11, wherein each conductive strip of the multiple conductive strips is in electrical communication with each other conductive strip through at least the first fuse lead or the second fuse lead.

13. (Currently Amended) The electronic fuse of claim 1, wherein ~~the insulating film comprises polysilicon and the at least two conductive regions comprises a metal.~~

Claim 14 (Canceled).

15. (Currently Amended) The electronic fuse of claim [[14]] 30, wherein the conductive film comprises a metal.

16. (Currently Amended) The electronic fuse of claim [[14]] 30, wherein the plurality of separate conductive regions alternate positions with the non-conductive regions.

17. (Currently Amended) The electronic fuse of claim [[14]] 30, wherein the non-conductive regions are configured to limit current flow through the electronic fuse.

Claims 18-25 (Canceled).

26. (Currently Amended) An electronic fuse, comprising:
an insulating film being a polysilicon resistor;
separate multiple conductive strips covering the insulating film;

multiple non-conductive regions on the insulating film separating the multiple conductive strips;

each non-conductive region extending to inner edges of adjacent separate conductive strips;

a first end of each conductive strip is in electrical communication with a first fuse lead and a second end of each electrical strip is in electrical communication with a second fuse lead; and

each conductive strip of the multiple conductive strips is in electrical communication with each other conductive strip through at least the first fuse lead or the second fuse lead,

wherein the separate conductive strips comprise salicide film strips.

Claims 27-29 (Canceled).

30. (Currently Amended) The electronic fuse of claim 14, An electronic fuse, comprising:

a polysilicon film with a top surface;

a conductive film disposed on the top surface of the polysilicon film forming a plurality of separate conductive regions;

non-conductive regions separating the plurality of separate conductive regions;
and

each non-conductive region extending to inner edges of adjacent separate conductive regions,

wherein the separate conductive regions comprise salicide film strips.